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Permit No.: ST-9109

Issuance Date: March 16, 2004

Effective Date: May 1, 2004

Expiration Date: April 30, 2009

STATE WASTE DISCHARGE PERMIT NUMBER ST-9109

**STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE**

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

**TOWN OF MANSFIELD
PO BOX 218
MANSFIELD WA 98832**

to discharge wastewater in accordance with the special and general conditions which follow.

<u>Plant Location:</u> Branscom Road	<u>Discharge Location:</u> Legal Description: Section 24, Township 27 N Range 25 E. W. M.
<u>Treatment Type</u> Two-cell aerated lagoon and sprayfield	Latitude: 47° 49' 15" N Longitude: 119° 37' 55" W

G. Thomas Tebb, L.E.G.
Section Manager
Water Quality Program
Central Region Office
Washington State Department of Ecology

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	June 15, 2004
S4.C.	Wasteload Assessment	2/permit cycle	July 15, 2004
S5.G.	Update of the Operations and Maintenance Manual	As necessary	No later than 30 days following approval of the Sampling and Analysis Plan
S8.	Schedule of Compliance	1/permit cycle	April 15, 2008
S8.A.	Draft Abridged Engineering Report	1/permit cycle	July 15, 2004
S8.B.	Final Abridged Engineering Report	1/permit cycle	December 15, 2004
S8.C.	Progress Report	1/year	January 15, 2005
S9.	Sampling and Analysis Plan	1/permit cycle	November 15, 2004
G8.	Application for permit renewal	1/permit cycle	April 30, 2008 ^a

^a At least one (1) year prior to permit expiration

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

A. Interim Limits

Beginning on **May 1, 2004** and lasting until **April 15, 2008** total nutrient and hydraulic loadings applied to the irrigation lands consisting of approximately 3.67 acres located one-half mile north of the Town of Mansfield and near the center of Section 24, Township 27 N., Range 25 E.W.M., shall not exceed the crop requirements as determined by the Permittee's 1995 Engineering Report contained below:

Maximum hydraulic loading rate:	12 inches/month
Allowable maximum BOD loading rate:	350 lbs/acre/month
Typical anticipated maximum loading rate:	150 lbs/acre/month
Maximum nitrogen loading rate:	99.5 lbs/acre/month
Design population:	450 people

In addition discharges shall be subject to the following limitations:

INTERIM EFFLUENT LIMITATIONS		
Parameter	Average Monthly ^a	Maximum Daily ^b
BOD ₅	100 mg/L	150 mg/L
TSS	100 mg/L	150 mg/L
Total Nitrogen	35 mg/L	----
Fecal Coliform	Less than 200 colonies/100mL	
pH	Between 6.0 and 10.0 at all times	
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.		
^b The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant measured during a calendar day.		

B. Final Limits

The limits contained in the most current Department approved Appendix A of the O & M Manual shall constitute the discharge limitations from **April 16, 2008** to **April 30, 2009**.

S2. MONITORING REQUIREMENTS

A. Interim Monitoring Requirements

Until such time as the Sampling and Analysis Plan, Special Condition S9., is approved by the Department, the Permittee shall monitor in accordance with the requirements of Section A of this special condition.

1. Wastewater Monitoring

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
INFLUENT				
Flow	gpd	Outfall sample station	Continuous	Meter
BOD ₅	mg/l	"	Twice per Month	8-hour composite
	lbs/day	N/A	Twice per Month	Calculation ^a
TSS	mg/l	Outfall sample station	Twice per Month	8-hour composite
	lbs/day	N/A	Twice per Month	Calculation ^a
LAGOON CONTENTS				
Dissolved Oxygen (DO)	mg/l	Lagoon	Once per Month	Grab
pH	Standard Units	"	Once per Month	Grab
EFFLUENT ^b				
Flow	gpd	Irrigation pump station	When irrigating	Calculation ^c
Soluble BOD ₅	mg/l	"	Twice per Month, when irrigating	Grab
	lbs/acre/day	NA	"	Calculation ^d
	lbs/day	NA	"	Calculation ^a
TSS	mg/l	Irrigation pump station	"	Grab
	lbs/day	NA	"	Calculation ^a
TKN (as N)	mg/l	Irrigation pump station	Once per Month, when irrigating	Grab
	lbs/acre/day	NA	"	Calculation ^d
	total lbs	NA	"	Calculation ^e

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
NO ₃ (as N)	mg/l	Irrigation pump station	"	Grab
	lbs/acre/day	NA	"	Calculation ^d
	total lbs	NA	"	Calculation ^e
Chlorides	mg/l	Irrigation pump station	"	Grab
	lbs/acre/day	NA	"	Calculation ^d
	total lbs	NA	"	Calculation ^e
Specific Conductance	µS/cm	Irrigation pump station	"	Grab
pH	Standard Units	"	Once per Month	Grab
Fecal Coliform Bacteria	#/100 ml	"	"	Grab

a- Calculated by multiplying concentration (mg/l) X flow (in millions of gallons per day) X 8.34 (conversion factor).

b-Discharge to sprayfield.

c-Calculated by multiplying run time of the pump by the pump rate, in gallons per minute.

d-Calculated by multiplying concentration (mg/l) X flow (in millions of gallons per day) X 8.34 (conversion factor) and dividing the product by the number of acres irrigated.

e- Calculated total number of pounds of nutrient applied to the sprayfield during the reporting period.

2. Ground Water Monitoring

The sampling point for ground water will be the existing monitoring well at the northeast corner of the north lagoon.

a. Monthly Monitoring

Parameter	Units	Sampling Frequency	Sample Type
Ferrous Iron	Present or absent	Monthly	Grab
pH	Standard Units	"	"
Conductivity	µmho/cm	"	"
Temperature	°C	"	"

b. Quarterly Monitoring

Parameter	Units	Sampling Frequency	Sample Type
Total Coliform	CPU/100 ml	Quarterly	Grab
Chloride	mg/l	"	"
Total Dissolved Solids	mg/l	"	"
NO ₃ (as N)	mg/l	"	"
TKN (as N)	mg/l	"	"
Phosphorus	mg/l	"	"

B. Final Monitoring Requirements

Final monitoring requirements shall be established upon Departmental approval of the Town's Sampling and Analysis Plan, Special Condition S9. Starting on **April 16, 2008** and in accordance with Special Condition S5.G., the Monitoring Requirements contained in Appendix A of the approved O & M Manual shall constitute the Final Monitoring Requirements for the remainder of the permit term.

C. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting shall be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981.

Sludge monitoring requirements specified in this permit shall be conducted according to test procedures specified in 40 CFR Part 503.

D. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

E. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. Crops and soils data shall be provided by a lab accredited for similar parameters in water media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on **May 1, 2004**. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit.

The report(s) shall be sent to:

Permit Data Systems Manager
Water Quality Program
Department of Ecology
Central Regional Office
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee shall retain all records pertaining to the monitoring of sludge for a minimum of five years.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Special Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's DMRs.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of this permit's terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within thirty (30) days after becoming aware of the violation;
3. Immediately notify the Department of the failure to comply; and
4. Submit a detailed written report to the Department within thirty (30) days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. FACILITY LOADING

A. Design Criteria

1. Lagoon System

The Sewer Collection and Treatment System Engineering Report was prepared by Hammond, Collier & Wade-Livingstone Associates, Inc. The engineering report with supplements was approved as the facility plan in May, 2000. The influent design criteria are taken from this engineering report, dated April 1995. The criteria are as follows:

Average daily flow:	0.040 MGD
Instantaneous peak flow:	0.101 MGD
BOD influent loading:	80 lbs/day
Design population:	400 people

2. Sprayfield

The design criteria for the sprayfield also taken from the 1995 Engineering Report are as follows:

Maximum hydraulic loading rate:	12 inches/month
Allowable maximum BOD loading rate:	350 lbs/acre/month
Maximum nitrogen loading rate:	99.5 lbs/acre/month
Design population:	450 people

B. Plans for Maintaining Adequate Capacity

When the actual flow or wasteload reaches 85 percent of any one of the design criteria in Special Condition S4.A. for three consecutive months, or when the projected increases would reach design capacity within five years, whichever occurs first, the Permittee shall submit to the Department, a plan and a schedule for continuing to maintain capacity at the facility sufficient to achieve the effluent limitations and other conditions of this permit. This plan shall address any of the following actions or any others necessary to meet this objective.

1. Analysis of the present design including the introduction of any process modifications that would establish the ability of the existing facility to achieve the effluent limits and other requirements of this permit at specific levels in excess of the existing design criteria specified in paragraph A. above.
2. Reduction or elimination of excessive infiltration and inflow of uncontaminated ground and surface water into the sewer system.
3. Limitation on future sewer extensions or connections or additional wasteloads.
4. Modification or expansion of facilities necessary to accommodate increased flow or wasteload.
5. Reduction of industrial or commercial flows or waste loads to allow for increasing sanitary flow or wasteload.

Engineering documents associated with the plan must meet the requirements of WAC 173-240-060, "Engineering Report," and be approved by the Department prior to any construction. The plan shall specify any contracts, ordinances, methods for financing, or other arrangements necessary to achieve this objective.

C. Wasteload Assessment

The Permittee shall conduct a wasteload assessment of facility flow and waste load as part of the Abridged Engineering Report, Special Condition S8.A, and submit said report to the Department by **July 15, 2004**. An updated Wasteload Assessment is due with the application for permit renewal.

The wasteload assessment report shall contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and TSS loadings; and (except for the first report) the percentage increase in these parameters since the last evaluation. The report shall also state the present and design population or population equivalent, projected population growth rate, and the estimated date upon which the design capacity is projected to be reached, according to the most restrictive of the parameters above. The interval for review and reporting may be modified if the Department determines that a different frequency is sufficient.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of this permit.

A. Certified Operator

An operator certified for at least a Class I plant by the State of Washington shall be in responsible charge of the day-to-day operation of the wastewater treatment plant. An operator certified for at least a Class I plant shall be in charge during all regularly scheduled shifts.

B. O & M Program

The Permittee shall institute an adequate Operation and Maintenance Program for their entire sewage system. Maintenance records shall be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. Such records shall clearly specify the frequency and type of maintenance recommended by the manufacturer and shall show the frequency and type of maintenance performed. These maintenance records shall be available for inspection at all times.

C. Short-term Reduction

If a Permittee contemplates a reduction in the level of treatment that would cause a violation of permit discharge limitations on a short-term basis for any reason, and such reduction cannot be avoided, the Permittee shall give written notification to the Department, if possible, thirty (30) days prior to such activities, detailing the reasons for, length of time of, and the potential effects of the reduced level of treatment. This notification does not relieve the Permittee of their obligations under this permit.

D. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant and/or sewage lift stations either by means of alternate power sources, standby generator, or retention of inadequately treated wastes.

E. Prevent Connection of Inflow

The Permittee shall strictly enforce its sewer ordinances and not allow the connection of inflow (roof drains, foundation drains, etc.) to the sanitary sewer system.

F. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with Special Condition S3.E. "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least thirty (30) days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
 - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

G. Operations and Maintenance Manual

An update to the O&M Manual shall be prepared by the Permittee in accordance with WAC 173-240-080 and be submitted to the Department **no later than 30 days** following approval of the Sampling and Analysis Plan. The update shall include Appendix A containing the approved Sampling and Analysis Plan as required by Special Condition S9. Appendix A shall then constitute the Final Limitations and Monitoring Requirements.

The O&M Manual shall be reviewed by the Permittee at least annually. The Permittee shall confirm the review by letter and/or a manual update to the Department. All manual changes or updates shall be submitted to the Department whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the treatment plant. The operation and maintenance manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

The manual shall include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure;
2. Irrigation system operational controls and procedures;
3. Protocols and procedures for ground water monitoring network sampling and testing;
4. Plant operation and maintenance procedures; and,
5. Approved subsurface monitoring program.
6. Minimal staffing requirements to adequately operate and maintain the POTW and carry out compliance monitoring.
7. Process control monitoring.

The updated O & M Manual shall detail for the treatment plant operators procedures for complying with these permit conditions.

H. Irrigation Land Application

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the State or to any land not owned by or under control of the Permittee.
2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system.

3. The wastewater shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil;
 - b. Cause long-term anaerobic conditions in the soil;
 - c. Cause ponding of wastewater, produce objectionable odors or support insects or vectors; or,
 - d. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
4. The Permittee shall maintain all irrigation agreements for lands not owned by the Permittee for the duration of this permit's cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.

S6. RESIDUAL SOLIDS

The Town shall manage all residual solids (grit, screenings, scum, sludge and solid waste) in accordance with the requirements of: (1) RCW 90.48.080 and Water Quality Standards; (2) applicable sections of 40 CFR Part 503 and Chapter 173-308 WAC, "Biosolids Management"; (3) applicable sections of Chapter 173-350 WAC, "Solid Waste Handling Standards."

The final use and disposal of biosolids shall be done in accordance with Chapter 173-308 WAC ("Biosolids Management"), 40 CFR Part 503, and under coverage of the State general permit for biosolids management, as applicable.

The disposal of solid waste is regulated by the local jurisdictional health department in accordance with State solid waste regulations.

S7. PRETREATMENT

The Permittee shall work cooperatively with the Department to ensure that all commercial and industrial users of the wastewater treatment system are in compliance with pretreatment regulations.

A. Discharge Authorization Required

Significant commercial or industrial operations shall not be allowed to discharge wastes to the Permittee's POTW until they have received prior authorization from the Department in accordance with Chapter 90.48 RCW and Chapter 173-216 WAC, as amended. The Permittee shall immediately notify the Department of any proposed new sources of wastewater from significant commercial or industrial operations.

B. Prohibitions

A non-domestic discharger may not introduce into the Permittee's POTW any pollutant(s) that cause pass through or interference.

The following non-domestic discharges shall not be discharged into the Permittee's POTW:

1. Pollutants that create a fire or explosion hazard in the domestic wastewater facilities (including, but not limited to waste streams with a closed cup flashpoint of less than 140° Fahrenheit (F) or 60° Centigrade (C) using the test methods specified in 40 CFR 261.21).
2. Pollutants that will cause corrosive structural damage to the domestic wastewater facilities, but in no case discharges with pH lower than 5.0 standard units or greater than 11.0 standard units, unless the works are specifically designed to accommodate such discharges.
3. Solid or viscous pollutants in amounts that could cause obstruction to the flow in sewers or otherwise interfere with the operation of the POTW.
4. Any pollutant, including oxygen demanding pollutants, (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities such that the temperature at the POTW exceeds 40° C (104° F) unless the Department, upon request of the Permittee, approves, in writing, alternate temperature limits.
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral origin in amounts that will cause interference or pass through.
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity which may cause acute worker health and safety problems.
8. Any trucked or hauled pollutants, except at discharge points designated by the Permittee.

9. As provided by WAC 173-303-071(3)(a), discharges of dangerous wastes into the sewerage system by industrial or commercial users are prohibited unless the discharger has submitted an application for a State Waste Discharge Permit. The applicant must accurately describe the wastewater on a State Waste Discharge Permit Application for Industrial Discharges to a POTW (Ecology Form 040-177).
10. Noncontact cooling water in significant volumes.
11. Stormwater, and other direct inflow sources.
12. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the POTW.

C. Notification of Industrial User Violations

The Permittee shall notify the Department if any non-domestic user violates the prohibitions listed in Special Condition S7.B. above.

S8. SCHEDULE OF COMPLIANCE

The Permittee shall be in compliance with AKART as determined in the Departmental approved Abridged Engineering Report by **April 15, 2008** (S8.B.).

A. Draft Abridged Engineering Report

The Permittee shall submit a Draft Abridged Engineering Report as an Addendum to the 1995 Engineering Report to the Department for approval by **July 15, 2004**.

The Abridged Engineering Report shall be conducted according to the Departments' *Publication #93-36, Guidelines for Engineering Reports for Industrial Wastewater Land Applications Systems*. It shall address:

1. Any additional storage capacity needed to meet future growth and anticipated future waste loading and wastewater flows
2. The location and sizing of the sprayfield system necessary to meet current and future needs.
3. Strategy by which compliance with State Department of Health setback limitations and disinfection requirements can be met.
4. The elevated levels of TDS and Nitrate found in the GW well adjacent to the lagoons.
5. In the event ground water monitoring is determined to be infeasible, the Permittee shall develop an alternative monitoring plan sufficient to verify

that the aquifer is not being impacted by wastewater from the lagoon or sprayfield. The plan may involve soil or crop monitoring.

6. A plan for relining the lagoons.

B. Final Abridged Engineering Report

The Permittee shall submit a Final Abridged Engineering Report as an Addendum to the 1995 Engineering Report to the Department for approval by **December 15, 2004**.

C. Progress Report

The Permittee shall submit a series of Progress Reports to the Department, beginning **January 15, 2005** and for each year following until all proposed improvements to the treatment works needed to achieve compliance with this permit are complete. The Report shall address progress made and actions taken toward achieving compliance with this permit, the cost estimated to complete the project, the level of secure funding obtained to date, and a detailed description of future activities leading to obtaining complete funding.

S9. SAMPLING AND ANALYSIS PLAN

The Permittee shall submit to the Department, for review and approval, a Sampling and Analysis Plan **no later than November 15, 2004**. The Plan shall address all wastewater, ground water, soil, crop, and surface water monitoring and discharge limitations required in this permit. Upon Departmental approval the Plan shall be placed in Appendix A of the updated O & M Manual. Appendix A shall then supplant Special Conditions, S1.A, S2.A1 and S2.A2. The Plan shall be developed in accordance with *Guidelines for Preparing Quality Assurance Project Plans for Environmental Studies*, Ecology Publ. No. 01-03-003 and the appropriate sections of *Implementation Guidance for the Ground Water Quality Standards*, Ecology Publ. No. 96-02.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or

discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. NOTIFICATION OF NEW OR ALTERED SOURCES

The Permittee shall submit written notice to the Department whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than ten (10) percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water

Act. This notice shall include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

G6. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least one (1) year prior to the specified expiration date of this permit.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.